

Title (en)

Cambium/Xylem-preferred promoters and uses thereof

Title (de)

Promoter mit Cambium/Xylem-bevorzugter Expression und ihre Verwendung

Title (fr)

Promoteurs préférentiels du cambium/xylème et utilisations associées

Publication

EP 2557170 A2 20130213 (EN)

Application

EP 12192001 A 20050328

Priority

- EP 05714408 A 20050328
- US 56022704 P 20040406

Abstract (en)

The present invention relates to nucleic acid molecules corresponding to regulatory portions of genes whose expression is predominant in cambium and/or xylem. The invention also relates to compositions and methods of using the same to regulate the expression, in a cambium/xylem-preferred manner, of genes and/or any kind of nucleotide sequences in a plant. Nucleic acid molecules and its compositions include novel nucleotide sequences for cambium/xylem-preferred promoters identified and isolated from poplar (*Populus* spp). Methods for expressing genes and/or any kind of nucleotide sequences in a plant using the promoter sequences disclosed herein are provided. The methods comprise stably incorporating into the genome of a plant cell in a nucleotide sequence operably linked to a cambium/xylem-preferred promoter of the present invention and regenerating a stably transformed plant that expresses the nucleotide sequence.

IPC 8 full level

C12N 15/82 (2006.01); **A01H 5/00** (2006.01)

CPC (source: EP US)

C12N 15/8216 (2013.01 - US); **C12N 15/8223** (2013.01 - EP US); **C12N 15/8227** (2013.01 - US); **C12N 15/8255** (2013.01 - US)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

WO 2005096805 A2 20051020; WO 2005096805 A3 20090402; AU 2005230212 A1 20051020; AU 2005230212 B2 20100128; AU 2010201471 A1 20100506; AU 2010201471 B2 20120405; BR P10509661 A 20071009; BR P10509661 A8 20151020; EP 1732377 A2 20061220; EP 1732377 A4 20100721; EP 1732377 B1 20140723; EP 2557165 A2 20130213; EP 2557165 A3 20130320; EP 2557165 B1 20160323; EP 2557166 A2 20130213; EP 2557166 A3 20130320; EP 2557166 B1 20160323; EP 2557167 A2 20130213; EP 2557167 A3 20130327; EP 2557167 B1 20160323; EP 2557168 A2 20130213; EP 2557168 A3 20130424; EP 2557168 B1 20160323; EP 2557169 A2 20130213; EP 2557169 A3 20130529; EP 2557169 B1 20160323; EP 2557170 A2 20130213; EP 2557170 A3 20130529; EP 2557170 B1 20160323; EP 2557171 A2 20130213; EP 2557171 A3 20130529; EP 2557171 B1 20160323; EP 2557172 A2 20130213; EP 2557172 A3 20130220; EP 2557172 B1 20160518; EP 2557173 A2 20130213; EP 2557173 A3 20130605; EP 2557173 B1 20160323; EP 2557174 A2 20130213; EP 2557174 A3 20130605; EP 2557174 B1 20160323; EP 2557175 A2 20130213; EP 2557175 A3 20130320;

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ES 2587281 T3 20161021; ES 2587282 T3 20161021; PT 2557165 T 20160818; PT 2557166 T 20160818; PT 2557167 T 20160818;
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DOCDB simple family (application)

BR 2005000041 W 20050328; AU 2005230212 A 20050328; AU 2010201471 A 20100414; BR PI0509661 A 20050328;
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ES 12192011 T 20050328; ES 12192012 T 20050328; ES 12192016 T 20050328; PT 12191980 T 20050328; PT 12191983 T 20050328;
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PT 12192008 T 20050328; PT 12192011 T 20050328; PT 12192012 T 20050328; PT 12192016 T 20050328; US 59342605 A 20050328